

SECTION C

TDPL: MIL-PRF-51191

DATED: 01/31/03

END ITEM CODE: 362

NSN: 4240-00-807-6856

PART NO: MIL-PRF-51191

START #: C13CAAXX

NOMEN: Heater, Air, Electrical, Filter Unit, M3

QTY: 2570

The following engineering exceptions apply to this TDPL, and shall be incorporated into solicitations/contracts for the above listed PRON(s):

1. The M3 Electric Air Heater is being purchased to a performance specification, MIL-PRF-51191 (copy with TDPL). The supplier will provide a product that meets the requirements of MIL-PRF-51191 and the notes on drawing 5-19-1782. Any design details not covered will be left to the discretion of the contractor.

2. TDPL Drawings List – add the following drawings: 5-19-1782, Rev. R, dated July 7, 1997; and Special Packaging Instruction P5-19-1782, Rev. C, dated March 24, 1989 (copies attached).

3. TDPL Specifications and Standards List – add the following documents:

A-A-55057

ASTM D5118

ASTM D5486

MIL-DTL-117

MIL-STD-129

MIL-STD-2073-1

4. TDPL Outstanding Engineering Changes – add the following NORs: 362-0002-0001 and 362-0002-0002 (copies attached).

5. Packaging will be in accordance with SPI P5-19-1782. Tests and inspections specified in parts F and G to verify packaging compliance will not be performed. Use the following specifications and standards in place of documents referenced in the SPI:

MIL-B-117

MIL-DTL-117

NN-P-530

A-A-55057

PPP-B-636

ASTM D5118

PPP-T-76

ASTM D5486

ATTACHMENT 002

SECTION C

TDPL: MIL-PRF-51191

Start # C13CAAXX

NSN: 4240-00-807-6856

6. The following Statement of Work for Ozone Depleting Chemicals also applies.

STATEMENT OF WORK - OZONE DEPLETING CHEMICALS

1a. The following specifications and standards may be listed and included as part of this Technical Data Package (TDP)/ Scope of Work (SOW): N/A.

b. Other specifications and standards, which identify ODCs among alternative substances for use, are part of this TDP/SOW as follows: N/A.

c. The above specifications and standards allow the optional use of Ozone Depleting Substances (ODS) or Ozone Depleting Chemicals (ODC). Preference should be given to the Non-ODS/ODC choices in compliance with Executive Order 12843, dated April 21, 1993, "Procurement Requirements and Policies for Federal Agencies for Ozone Depleting Substances".

2. Other specifications and standards containing ODS/ODC materials and included in this TDP for which a substitute is provided are as follows: N/A.

3. Other specifications and standards included in this TDP that specify use of an ODS/ODC and have been approved for use are as follows: N/A

4. NOTE: Offerers are requested, although not obligated, to perform their own screening of the TDP specifications and standards or SOW and identify any additional potential ODS/ODC to the contracting officer.

Name (POC): Guy Cabell

OFFICE: AMSSB-RSO-CPT (RI)

PHONE: DSN 793-7126

MYLARS REQUIRED: No

RESUBMITTAL: No

DATE: 19 March 2003

01/31/03

T20030045.txt
ENGINEERING DATA MANAGEMENT SYSTEM

TECHNICAL DATA PACKAGE LIST

REQUEST NUMBER: 20030045
PRON/START NUMBER: C13CAAXX
DOCUMENT NUMBER: MIL-PRF-51191
DOCUMENT CAGE: 81361
SPECIFICATION: MIL-PRF-51191
NOMENCLATURE: HEATER, AIR, ELECTRIC, FILTER UNIT, M3

PREFIX	DWG	DRAWING/DOCUMENT	-SHEET-	REV	DOCUMENT	
CAGE	CODE	SIZE	NUMBER	DIST	NO	OF
				NOTE	SYM	DATE
				STMNT		

PRODUCT DRAWINGS AND ASSOCIATED LISTS

19200	DP	A	12910415		001	001	-	N/A	GUARD ASSEMBLY (IN MIL-PRF-41191)
96906	DU	A	MS27142		001		-	N/A	CONNECTOR, PLUG, ELECTRICAL
			*						
96906	DU	A	MS27144		001		-	N/A	CONNECTOR, PLUG, ELECTRICAL
			*						

□

PREFIX	DWG	DRAWING/DOCUMENT	-SHEET-	REV	DOCUMENT	
CAGE	CODE	SIZE	NUMBER	DIST	NO	OF
				NOTE	SYM	DATE
				STMNT		

PACKAGING DRAWINGS AND DOCUMENTS

□

PREFIX	DWG	DRAWING/DOCUMENT	-SHEET-	REV	DOCUMENT	
CAGE	CODE	SIZE	NUMBER	DIST	NO	OF
				NOTE	SYM	DATE
				STMNT		

INSPECTION DRAWINGS AND DOCUMENTS

□

	AMD	CHG	SUPPL	REV	DOCUMENT	
DRAWING NUMBER	QPL	NO.	NO.	NO.	SYM	DATE
	NOTE	STMNT				

SPECIFICATIONS AND STANDARDS

AMCA-210	N			-	N/A	LABORATORY METHODS OF TESTING FANS FOR RATING
PURPOSES	**					
ASME-B1.1	N			-	N/A	UNIFIED INCH SCREW THREADS
	**					
ASME-B1.2	N			-	N/A	GAGES AND GAGING FOR UNIFIED INCH SCREW
THREADS		**				
ASME-B1.3M	N			-	N/A	SCREW THREAD GAGING SYSTEMS FOR DIMEN

ATTACHMENT 002

T20030045.txt

ACCEPTABILITY		**			
MIL-PRF-51191	N		E	12-JUN-97	HEATER, AIR, ELECTRIC, FILTER UNIT, M3
		X			
MIL-STD-461	N		-	N/A	ELECTROMAGNETIC EMISSION & SUSCEPTIBILITY
REQUIREMENTS		*			
MIL-STD-462	N		-	N/A	ELECTROMAGNETIC INTRF
CHARACTERISTICS, MEASUREMENT OF				*	
UL-499	N		-	N/A	ELECTRIC HEATING APPLIANCES-UNDERWRITERS
LABORATORIES		**			

□

DOCUMENT NUMBER	CAGE	ECP/RFD/RFW NUMBER	NOR ID	DOCUMENT DATE	CONFIGURATION ITEM NOMENCLATURE
-----------------	------	-----------------------	-----------	------------------	------------------------------------

OUTSTANDING ENGINEERING CHANGES

□

TDPL LEGEND

DESCRIPTION OF SYMBOLS IN THE NOTE COLUMN

G = GO TO PREFIX CODE

CONTRACTOR IS RESPONSIBLE

IF THE PREFIX CODE IS DE, DRAWING IS PROVIDED FOR INFORMATION ONLY.
FOR DEVELOPING AND PROVIDING HIS OWN INSPECTION AND TEST EQUIPMENT.
ALL OTHER PREFIX CODES, EQUIPMENT TO BE FURNISHED AS GFE/GFM.
DRAWING/DOCUMENT SUPPLIED ONLY FOR SPECIFIC PART OR ASSEMBLY DRAWING.

REF = REFERENCE DRAWING/DOCUMENT

THE NOTE COLUMN, DOCUMENT IS SUPPLIED

* = IF LISTED AS A SPECIFICATION IN THE HEADER OF THE TDPL, IGNORE THE * IN
OTHERWISE, DOCUMENT NOT FURNISHED - TO BE OBTAINED FROM:
STANDARDIZATION DOCUMENT ORDER DESK
700 ROBBINS AVENUE
BUILDING 4, SECTION D
PHILADELPHIA, PA. 19111-5094
IF NOT AVAILABLE, IMMEDIATELY ADVISE THE PROCURING CONTRACTING OFFICER.

** = NOT FURNISHED. COMMERCIAL SPECIFICATIONS AND STANDARDS MAY BE OBTAINED
FROM THE PUBLISHERS. THEY ARE NOT AVAILABLE FROM GOVERNMENT SOURCES.

and/or

= Specifications and standards containing OZONE depleting substances (ODSs)
CHLOROFLUOROCARBONS (CFCs). Additional information on these substances is
available from the contracting officer (This is in accordance with P.L.

102-484).

OTHER SPECIAL NOTATIONS

A LETTER 'Y' UNDER THE QPL COLUMN OF THE SPECIFICATIONS AND STANDARDS SECTION
INDICATES THAT A QUALIFIED PRODUCTS LIST (QPL) IS REQUIRED. THE NUMBER OF
THE QPL IS THE SAME AS THE SPECIFICATION NUMBER

LISTS SECTION

A 'DX' UNDER THE PREFIX CODE COLUMN OF THE PRODUCT DRAWINGS AND ASSOCIATED
INDICATES THE DOCUMENT IS A SOURCE CONTROL DRAWING.

THE DOCUMENT

A DATE OF '01-JAN-01' IN CONJUNCTION WITH AN '*' IN THE NOTE COLUMN INDICATES
IS NOT UNDER THE CONTROL OF THE EDGEWOOD CHEMICAL BIOLOGICAL CENTER AND THE
IN EFFECT AT THE TIME OF THE SOLICITATION IS APPLICABLE

DOCUMENT DATED

ATTACHMENT 002


T20030045.txt

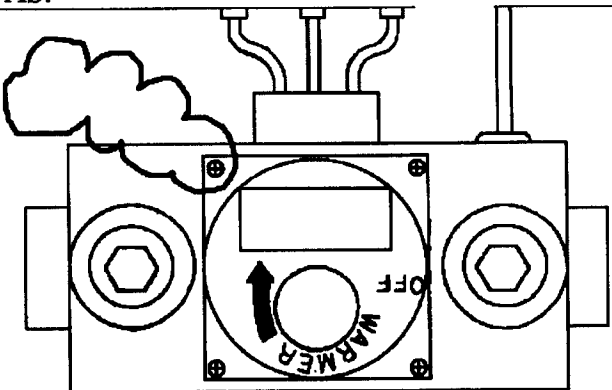
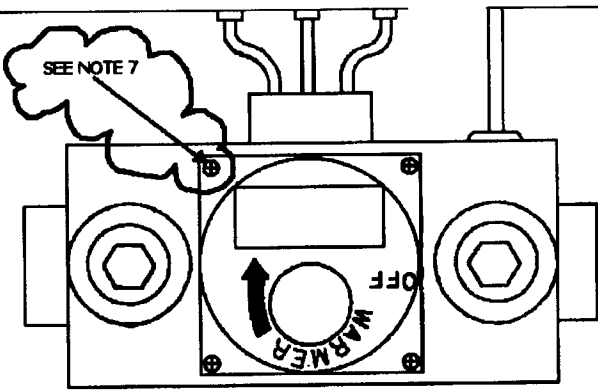

THE INDIVIDUAL
AND ARE
DATE)


A DATE OF '01-JAN-01' IN CONJUNCTION WITH AN PREFIX CODE OF QS OR PD INDICATES
SHEETS OF THESE MULTI-SHEET DOCUMENTS DO NOT EXIST AS A SEPARATE IMAGE FILES
INCLUDE IN THE IMAGE FILE WITH A PRIOR SHEET (THE NEXT PRIOR SHEET WITH A VALID

* E N D O F T D P L *

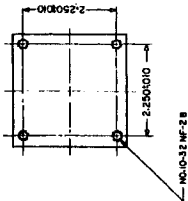
ATTACHMENT 002

NOTICE OF REVISION (NOR)		1. DATE (YY/MM/DD) 03/02/24	Form Approved OMB No. 0704-0188
THIS REVISION DESCRIBED BELOW HAS BEEN AUTHORIZED FOR THE DOCUMENT LISTED			
Public reporting burden for this collection of information is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503.		2. PROCURING ACTIVITY NO. 362-0002	
PLEASE DO NOT RETURN YOUR COMPLETED FORM TO EITHER OF THESE ADDRESSES. RETURN COMPLETED FORM TO THE GOVERNMENT ISSUING CONTRACTING OFFICER FOR THE CONTRACT/PROCURING ACTIVITY NUMBER LISTED IN ITEM 2 OF THIS FORM.		3. DODAAC	
4. ORIGINATOR	b. ADDRESS (Street, City, State, Zip Code)	5. CAGE CODE	6. NOR NO.
a. TYPED NAME (First, Middle Initial, Last) Guy N. Cabell	AMSSB-RSO-CPT (RI) Rock Island, IL 61299-7390	81361	362-0002-0001
		7. CAGE CODE 81361	8. DOCUMENT NO. 5-19-1782
9. TITLE OF DOCUMENT Heater, Air, Electric, Filter Unit, M3		10. REVISION LETTER	
		a. CURRENT R	b. NEW
12. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES Heater, Air, Electric, Filter Unit, M3		11. ECP NO. 362-0002	
13. DESCRIPTION OF REVISION			
<p>This change is against Drawing 5-19-1782, sheet 1 of 1, revision R, with no outstanding changes.</p> <p>1. Note 6. Add the following sentences at the end of Note 6:</p> <p style="padding-left: 40px;">“A 0.4375 (-.0000/+ .1250) diameter area on the heater base top surface around any one of the four mounting holes shall be free of paint and primer. Paint or primer on the internal surface of the mounting hole is optional. A suitable finish, such as alodine, shall be applied to any unpainted areas so that they will resist corrosion.”</p> <p>2. Add Note 7, to say the following:</p> <p style="padding-left: 40px;">“A 0.3125 (-.0000/+ .1250) diameter area on the controller base top surface around any one of the four mounting holes shall be free of paint and primer. Paint or primer on the internal surface of the mounting hole is optional. A suitable finish, such as alodine, shall be applied to any unpainted areas so that they will resist corrosion.”</p>			
14. THIS SECTION FOR GOVERNMENT USE ONLY			
a. (X one)	<input type="checkbox"/> (1) EXISTING DOCUMENT SUPPLEMENTED BY THIS NOR MAY BE USED IN MANUFACTURE. <input type="checkbox"/> (2) REVISED DOCUMENT MUST BE RECEIVED BEFORE MANUFACTURER MAY INCORPORATE THIS CHANGE. <input type="checkbox"/> (3) CUSTODIAN OF MASTER DOCUMENT SHALL MAKE ABOVE REVISION AND FURNISH REVISED DOCUMENT.		
b. ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT CDR, SBCCOM, ATTN: AMSSB-RSO-CPT (RI)		c. TYPED NAME (First, Middle Initial, Last) GUY N. CABELL	
d. TITLE Configuration Manager, Collective Protection Team	e. SIGNATURE 		f. DATE SIGNED (YY/MM/DD) 2003/03/17
15. a. ACTIVITY ACCOMPLISHING REVISION	b. REVISION COMPLETED (Signature)		c. DATE SIGNED (YY/MM/DD)

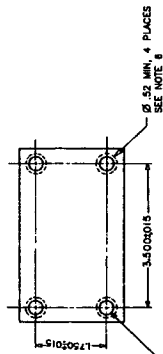
NOTICE OF REVISION (NOR) CONTINUATION SHEET		1. DATE (YY/MM/DD) 03/02/24	NOR CONTINUATION SHEET 2 OF 2						
ORIGINATOR NAME AND ADDRESS Guy N. Cabell AMSSB-RSO-CPT (RI) Rock Island, IL 61299-7390		NOR NO. 362-0002-001 <hr/> DOCUMENT NO. 5-19-1782 <hr/> ECP NO. 362-0002							
DESCRIPTION OF REVISION 3. Zone E-6, E-7. Pictorial, revise as follows:									
WAS:		IS:							
									
14. THIS SECTION FOR GOVERNMENT USE ONLY									
a. (X one)	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30px; text-align: center;">(1)</td> <td>EXISTING DOCUMENT SUPPLEMENTED BY THIS NOR MAY BE USED IN MANUFACTURE.</td> </tr> <tr> <td style="text-align: center;">(2)</td> <td>REVISED DOCUMENT MUST BE RECEIVED BEFORE MANUFACTURER MAY INCORPORATE THIS CHANGE.</td> </tr> <tr> <td style="text-align: center;">(3)</td> <td>CUSTODIAN OF MASTER DOCUMENT SHALL MAKE ABOVE REVISION AND FURNISH REVISED DOCUMENT.</td> </tr> </table>			(1)	EXISTING DOCUMENT SUPPLEMENTED BY THIS NOR MAY BE USED IN MANUFACTURE.	(2)	REVISED DOCUMENT MUST BE RECEIVED BEFORE MANUFACTURER MAY INCORPORATE THIS CHANGE.	(3)	CUSTODIAN OF MASTER DOCUMENT SHALL MAKE ABOVE REVISION AND FURNISH REVISED DOCUMENT.
(1)	EXISTING DOCUMENT SUPPLEMENTED BY THIS NOR MAY BE USED IN MANUFACTURE.								
(2)	REVISED DOCUMENT MUST BE RECEIVED BEFORE MANUFACTURER MAY INCORPORATE THIS CHANGE.								
(3)	CUSTODIAN OF MASTER DOCUMENT SHALL MAKE ABOVE REVISION AND FURNISH REVISED DOCUMENT.								
b. ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT CDR, SBCCOM, ATTN: AMSSB-RSO-CPT (RI)		c. TYPED NAME (First, Middle Initial, Last) GUY N. CABELL							
d. TITLE Configuration Manager, Collective Protection Team		e. SIGNATURE 							
f. DATE SIGNED (YY/MM/DD) 2003/03/17		c. DATE SIGNED (YY/MM/DD)							
15. a. ACTIVITY ACCOMPLISHING REVISION		b. REVISION COMPLETED (Signature)							

NOTICE OF REVISION (NOR)		1. DATE (YY/MM/DD) 03/02/24	Form Approved OMB No. 0704-0188
THIS REVISION DESCRIBED BELOW HAS BEEN AUTHORIZED FOR THE DOCUMENT LISTED			
Public reporting burden for this collection of information is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503.		2. PROCURING ACTIVITY NO. 362-0002	
PLEASE DO NOT RETURN YOUR COMPLETED FORM TO EITHER OF THESE ADDRESSES. RETURN COMPLETED FORM TO THE GOVERNMENT ISSUING CONTRACTING OFFICER FOR THE CONTRACT/PROCURING ACTIVITY NUMBER LISTED IN ITEM 2 OF THIS FORM.		3. DODAAC	
4. ORIGINATOR	b. ADDRESS (Street, City, State, Zip Code)	5. CAGE CODE	6. NOR NO.
a. TYPED NAME (First, Middle Initial, Last) Guy N. Cabell	AMSSB-RSO-CPT (RI) Rock Island, IL 61299-7390	81361	362-0002-0002
		7. CAGE CODE 81361	8. DOCUMENT NO. MIL-PRF-51191
9. TITLE OF DOCUMENT Heater, Air, Electrical, Filter Unit, M3		10. REVISION LETTER	
		a. CURRENT E	b. NEW
		11. ECP NO. 362-0002	
12. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES Heater, Air, Electric, Filter Unit, M3		NOR Sheet 1 of 1	
13. DESCRIPTION OF REVISION			
<p>This change is against Specification MIL-PRF-51191, Revision E, Amendment 1, with no outstanding changes.</p> <p>1. Paragraph 3.15, change to read as follows:</p> <p>"3.15 Color and finish. The color of the exterior of the heater shall be white or off-white with gloss finish except for threads, controller knob, electrical connectors, plated parts, and any other area designated on drawing 5-19-1782. All external metallic surfaces or coatings applied to such surfaces shall resist corrosion and heat stress. Verification shall be in accordance with 4.2.2.1 and 4.3.6.11."</p>			
14. THIS SECTION FOR GOVERNMENT USE ONLY			
a. (X one)	<input checked="" type="checkbox"/> (1) EXISTING DOCUMENT SUPPLEMENTED BY THIS NOR MAY BE USED IN MANUFACTURE. <input type="checkbox"/> (2) REVISED DOCUMENT MUST BE RECEIVED BEFORE MANUFACTURER MAY INCORPORATE THIS CHANGE. <input type="checkbox"/> (3) CUSTODIAN OF MASTER DOCUMENT SHALL MAKE ABOVE REVISION AND FURNISH REVISED DOCUMENT.		
b. ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT CDR, SBCCOM, ATTN: AMSSB-RSO-CPT (RI)		c. TYPED NAME (First, Middle Initial, Last) GUY N. CABELL	
d. TITLE Configuration Manager, Collective Protection Team	e. SIGNATURE 		f. DATE SIGNED (YY/MM/DD) 2003/03/17
15. a. ACTIVITY ACCOMPLISHING REVISION	b. REVISION COMPLETED (Signature)		c. DATE SIGNED (YY/MM/DD)

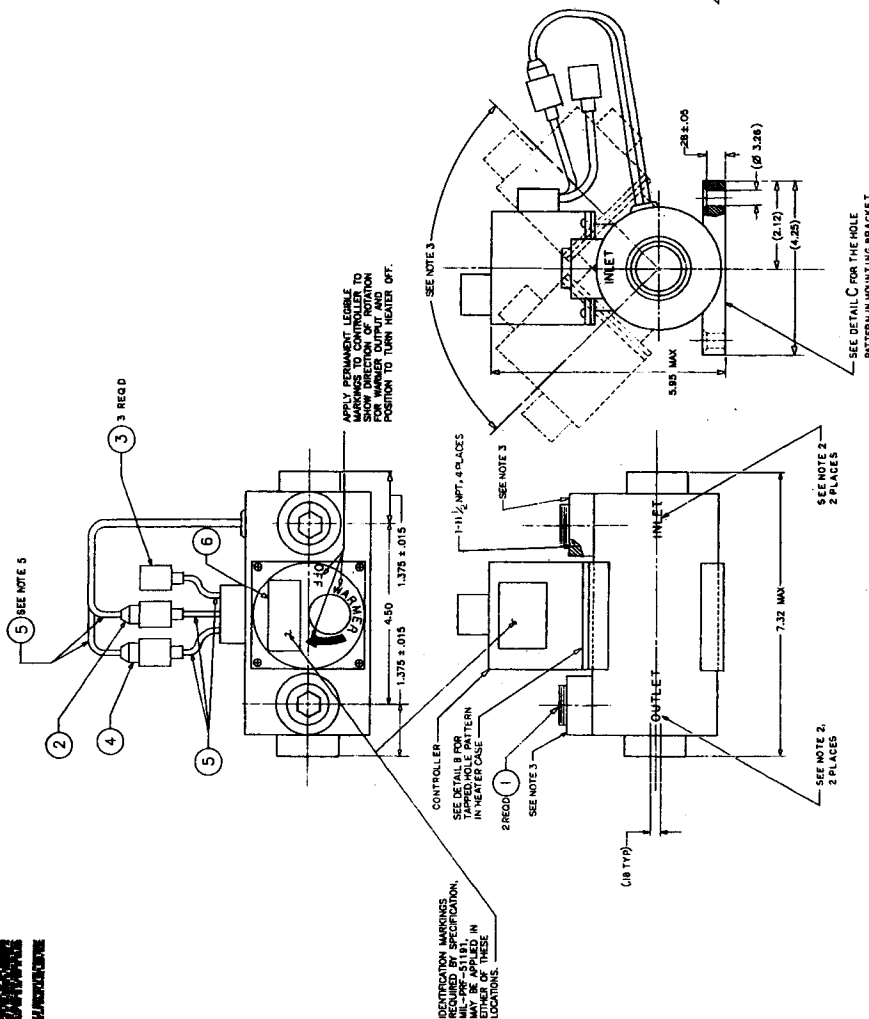
ITEM	DESCRIPTION	QTY	UNIT	REMARKS
1	HEATER UNIT, M3	1	EA	SEE NOTE 1
2	HEATER UNIT, M3	1	EA	SEE NOTE 1
3	HEATER UNIT, M3	1	EA	SEE NOTE 1
4	HEATER UNIT, M3	1	EA	SEE NOTE 1
5	HEATER UNIT, M3	1	EA	SEE NOTE 1
6	HEATER UNIT, M3	1	EA	SEE NOTE 1
7	HEATER UNIT, M3	1	EA	SEE NOTE 1
8	HEATER UNIT, M3	1	EA	SEE NOTE 1
9	HEATER UNIT, M3	1	EA	SEE NOTE 1
10	HEATER UNIT, M3	1	EA	SEE NOTE 1
11	HEATER UNIT, M3	1	EA	SEE NOTE 1
12	HEATER UNIT, M3	1	EA	SEE NOTE 1
13	HEATER UNIT, M3	1	EA	SEE NOTE 1
14	HEATER UNIT, M3	1	EA	SEE NOTE 1
15	HEATER UNIT, M3	1	EA	SEE NOTE 1
16	HEATER UNIT, M3	1	EA	SEE NOTE 1
17	HEATER UNIT, M3	1	EA	SEE NOTE 1
18	HEATER UNIT, M3	1	EA	SEE NOTE 1
19	HEATER UNIT, M3	1	EA	SEE NOTE 1
20	HEATER UNIT, M3	1	EA	SEE NOTE 1
21	HEATER UNIT, M3	1	EA	SEE NOTE 1
22	HEATER UNIT, M3	1	EA	SEE NOTE 1
23	HEATER UNIT, M3	1	EA	SEE NOTE 1
24	HEATER UNIT, M3	1	EA	SEE NOTE 1
25	HEATER UNIT, M3	1	EA	SEE NOTE 1
26	HEATER UNIT, M3	1	EA	SEE NOTE 1
27	HEATER UNIT, M3	1	EA	SEE NOTE 1
28	HEATER UNIT, M3	1	EA	SEE NOTE 1
29	HEATER UNIT, M3	1	EA	SEE NOTE 1
30	HEATER UNIT, M3	1	EA	SEE NOTE 1
31	HEATER UNIT, M3	1	EA	SEE NOTE 1
32	HEATER UNIT, M3	1	EA	SEE NOTE 1
33	HEATER UNIT, M3	1	EA	SEE NOTE 1
34	HEATER UNIT, M3	1	EA	SEE NOTE 1
35	HEATER UNIT, M3	1	EA	SEE NOTE 1
36	HEATER UNIT, M3	1	EA	SEE NOTE 1
37	HEATER UNIT, M3	1	EA	SEE NOTE 1
38	HEATER UNIT, M3	1	EA	SEE NOTE 1
39	HEATER UNIT, M3	1	EA	SEE NOTE 1
40	HEATER UNIT, M3	1	EA	SEE NOTE 1
41	HEATER UNIT, M3	1	EA	SEE NOTE 1
42	HEATER UNIT, M3	1	EA	SEE NOTE 1
43	HEATER UNIT, M3	1	EA	SEE NOTE 1
44	HEATER UNIT, M3	1	EA	SEE NOTE 1
45	HEATER UNIT, M3	1	EA	SEE NOTE 1
46	HEATER UNIT, M3	1	EA	SEE NOTE 1
47	HEATER UNIT, M3	1	EA	SEE NOTE 1
48	HEATER UNIT, M3	1	EA	SEE NOTE 1
49	HEATER UNIT, M3	1	EA	SEE NOTE 1
50	HEATER UNIT, M3	1	EA	SEE NOTE 1
51	HEATER UNIT, M3	1	EA	SEE NOTE 1
52	HEATER UNIT, M3	1	EA	SEE NOTE 1
53	HEATER UNIT, M3	1	EA	SEE NOTE 1
54	HEATER UNIT, M3	1	EA	SEE NOTE 1
55	HEATER UNIT, M3	1	EA	SEE NOTE 1
56	HEATER UNIT, M3	1	EA	SEE NOTE 1
57	HEATER UNIT, M3	1	EA	SEE NOTE 1
58	HEATER UNIT, M3	1	EA	SEE NOTE 1
59	HEATER UNIT, M3	1	EA	SEE NOTE 1
60	HEATER UNIT, M3	1	EA	SEE NOTE 1
61	HEATER UNIT, M3	1	EA	SEE NOTE 1
62	HEATER UNIT, M3	1	EA	SEE NOTE 1
63	HEATER UNIT, M3	1	EA	SEE NOTE 1
64	HEATER UNIT, M3	1	EA	SEE NOTE 1
65	HEATER UNIT, M3	1	EA	SEE NOTE 1
66	HEATER UNIT, M3	1	EA	SEE NOTE 1
67	HEATER UNIT, M3	1	EA	SEE NOTE 1
68	HEATER UNIT, M3	1	EA	SEE NOTE 1
69	HEATER UNIT, M3	1	EA	SEE NOTE 1
70	HEATER UNIT, M3	1	EA	SEE NOTE 1
71	HEATER UNIT, M3	1	EA	SEE NOTE 1
72	HEATER UNIT, M3	1	EA	SEE NOTE 1
73	HEATER UNIT, M3	1	EA	SEE NOTE 1
74	HEATER UNIT, M3	1	EA	SEE NOTE 1
75	HEATER UNIT, M3	1	EA	SEE NOTE 1
76	HEATER UNIT, M3	1	EA	SEE NOTE 1
77	HEATER UNIT, M3	1	EA	SEE NOTE 1
78	HEATER UNIT, M3	1	EA	SEE NOTE 1
79	HEATER UNIT, M3	1	EA	SEE NOTE 1
80	HEATER UNIT, M3	1	EA	SEE NOTE 1
81	HEATER UNIT, M3	1	EA	SEE NOTE 1
82	HEATER UNIT, M3	1	EA	SEE NOTE 1
83	HEATER UNIT, M3	1	EA	SEE NOTE 1
84	HEATER UNIT, M3	1	EA	SEE NOTE 1
85	HEATER UNIT, M3	1	EA	SEE NOTE 1
86	HEATER UNIT, M3	1	EA	SEE NOTE 1
87	HEATER UNIT, M3	1	EA	SEE NOTE 1
88	HEATER UNIT, M3	1	EA	SEE NOTE 1
89	HEATER UNIT, M3	1	EA	SEE NOTE 1
90	HEATER UNIT, M3	1	EA	SEE NOTE 1
91	HEATER UNIT, M3	1	EA	SEE NOTE 1
92	HEATER UNIT, M3	1	EA	SEE NOTE 1
93	HEATER UNIT, M3	1	EA	SEE NOTE 1
94	HEATER UNIT, M3	1	EA	SEE NOTE 1
95	HEATER UNIT, M3	1	EA	SEE NOTE 1
96	HEATER UNIT, M3	1	EA	SEE NOTE 1
97	HEATER UNIT, M3	1	EA	SEE NOTE 1
98	HEATER UNIT, M3	1	EA	SEE NOTE 1
99	HEATER UNIT, M3	1	EA	SEE NOTE 1
100	HEATER UNIT, M3	1	EA	SEE NOTE 1



DETAIL B



DETAIL C



4. TO ASSURE PROPER ELECTRICAL INTERFACE WHEN INSTALLED WITH THE CONTROLLER MOUNTED REMOTELY, EACH ELECTRICAL LEAD ITEM ⑤ SHALL BE PERMANENTLY MARKED AS FOLLOWS:
 - A. INPUT POWER LEAD - WITH THE NUMERICAL 1.
 - B. THERMISTOR (THERMOSTATIC) LEADS - WITH TWO PLAIN BANDS OR A BAND WITH THE NUMERICAL 2.
 - C. CONTROLLER TO HEATER POWER LEADS - WITH THREE PLAIN BANDS OR A BAND WITH THE NUMERICAL 3.
5. ELECTRICAL LEADS (ITEMS ⑤) SHALL BE OF AT LEAST THE FOLLOWING MINIMUM LENGTHS TO ASSURE PROPER INTERFACE FOR REMOTE CONTROLLER INSTALLATIONS:
 - A. LEADS FROM CONTROLLER - 2.0 MIN
 - B. LEADS FROM HEATER - 4.0 MIN
6. THE THICKNESS OF THE HEATER BASE WITHIN A .52 MINIMUM DIAMETER AREA AROUND EACH MOUNTING HOLE SHALL BE .28 ± .03 TO ASSURE COMPATIBILITY WITH STANDARD THREADED FASTENERS NORMALLY USED FOR INSTALLATION IN LEAD SYSTEMS.

NOTES:
 1. THE ITEMS IN THE PARTS LIST ARE LISTED FOR INFORMATION PURPOSE ONLY. THESE ITEMS HAVE BEEN FOUND TO PROVIDE SATISFACTORY PERFORMANCE, HOWEVER, THEIR USE IS NOT MANDATORY.
 2. FOR MANDATORY REQUIREMENTS, SEE SPECIFICATION MIL-PRF-51181.
 3. AS A MINIMUM CONTROLLER SHALL BE CAPABLE OF BEING REPOSITIONED TO ALL ANGLES IN THE RANGE OF 45 DEGREES TO BOTH SIDES OF THE VERTICAL POSITION. THE CONTROLLER SHALL BE CAPABLE OF BEING INDEPENDENTLY REPOSITIONED TO ALL ANGLES IN THE RANGE OF 180 DEGREES TO BOTH SIDES OF THE VERTICAL POSITION SHOWN.

INTERFACE CONTROL DRAWING

ITEM	DESCRIPTION	QTY	UNIT	REMARKS
AR	COATING, EPOXY POLYIMIDE, TYPE 1, COLOR WHITE (17875 OR 17825 OF FED-STD-595)	1	EA	SEE NOTE 1
AR	PRIMER COATING, EPOXY POLYIMIDE	1	EA	SEE NOTE 1
1	PLATE, CONTINUOUS	1	EA	SEE NOTE 1
AR	W148M/1-5	1	EA	SEE NOTE 1
1	CONNECTOR, PLUG, ELECTRICAL	1	EA	SEE NOTE 1
3	CONNECTOR, PLUG, ELECTRICAL	3	EA	SEE NOTE 1
1	CONNECTOR, PLUG, ELECTRICAL	1	EA	SEE NOTE 1
2	PLUG, PLASTIC, RIGID, RND PLASTIC	2	EA	SEE NOTE 1
1	PLUG, PLASTIC, RIGID, RND PLASTIC	1	EA	SEE NOTE 1

DATE: 16 OCT 1981		BY: [Signature]	
CHECKED: [Signature]		APPROVED: [Signature]	
HEATER/AIRELECTRIC, FILTER UNIT, M3			
8361 E 55-19-1782			

DISTRIBUTION STATEMENT A. APPROVED FOR PUBLIC RELEASE; DISTRIBUTION IS UNLIMITED.

INCH-POUND

MIL-PRF-51191E(EA)
AMENDMENT 1
26 March 2001

PERFORMANCE SPECIFICATION

HEATER, AIR, ELECTRICAL, FILTER UNIT, M3

This amendment forms a part of MIL-PRF-51191E(EA), dated 12 June 1997, and is approved for use by the U.S. Army Edgewood Chemical Biological Center, Department of the Army and is available for use by all Departments and Agencies of the Department of Defense.

PAGE 5

3.5.3, first sentence. Add the following after " $120 \pm 4^{\circ}\text{F}$ ":
"for input voltage of 24 to 30 VDC and $115.5 \pm 8.5^{\circ}\text{F}$ for input voltage of 18 VDC"

3.9, first sentence: Delete "...salt fog, and fungus..." and substitute "...and salt fog..."

PAGE 6

3.15, second sentence: Delete "...heat stress, and fungus." and substitute "...and heat stress."

PAGE 7

Table I, Group VI: Delete reference to Group VI, requirements and test methods.

AMSC N/A

FSC 4240

DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited.

MIL-PRF-51191E(EA)
AMENDMENT 1

PAGE 15

4.3.6.1 (c), eighth sentence: Delete "...120° F output temperature..." and substitute "...required output temperature..."

PAGE 21

4.3.6.12: Delete in its entirety.

APPENDIX B

Appendix B: Delete in its entirety.

Custodian:

Army - EA

Preparing activity:

Army - EA

Project No. 4240-A259